

Measurement of International Stresses
Caused by Plastic Deformation of thin
Surface Layers, by H. Buhler,
H.K. Tonshoff.

GERMAN, per, Arch Eisenh, Vol 38, May
1967, pp 363-371.

BISI 6094

NLL Reg: 9022.06 (6094)

Sci-Mat

Mar 69

376,293

Results of Joint Research into the Stress
Rupture of Welds Made of Heat Resistant Steels,
by K. J. Kremer.

GERMAN, per, Arch Eisenh. Vol 38, May 1967,
pp 387-392.

RISI 5732

NLL Ref: 9022.04 (5732)

Sci-Mat

Dec 67

346,615

Simultaneous Sampling for Spectrometric and
Gas Analytical Examination of Steel, by P.
Dickens, P. Konig.
GERMAN, per. Archiv Eisenhüttenwesen, Vol 38,
No 5, 1967, pp 407-409.
HB 7249

Sci-Mat
Oct 67

343,445

The Hot-Wire Method of Measuring the Thermal
Conductivity of Refractory Materials and
Insulating Bricks, by H. E. Schwiete and
K. D. Dohn.

GERMAN, per, Archiv Fur Das Eisenhuettenwesen,
Vol 38, No 5, 1967, pp 411-414.
ILL Ref: 9022.046 (98)

Sci-Mechanical
July 68

360,869

Electrochemical Investigations of Metallurgical
Reactions with Solid Oxides and Phosphates as
Electrolytes, by W. A. Fischer.
GERMAN, par. Arch. Eisenh., Vol 38, June 1967,
pp 422-429.
BISI 6054

Sci/Mat
May 68

358,177

Isolation of Carbides by Dissolving of
Steel in Nitric Acid, by H. Keller,
K. H. Sauer.

GERMAN, per, Arch Eisenh, Vol 38, 1967,
pp 429-433, June.
BISI 6197

NLL R-6: 9022.06(6197)

Sci-Mat
Mar 69

376,295

The Nitriding of Alloy Steels, by K. Bohnenkamp,
GERMAN, per. Arch Eisenh., No 6, 1967, pp 433-
437.
BISI 8413

The Stress-Strain Diagram at the Yield Stress of
Mild Steel, by A. Krisch & R. Lakshmanan.

GERMAN, per, Arch. Eisenh., Vol 38, June 1967,

pp 443-446.

BTST 5844

NLL Ref: 9022.06(5844)

Sci/Mat
Feb 68

349,492

A Further Contribution to the Knowledge of the Rec
Recrystallization of Cold-Rolled Iron---The Rolling
Texture of Iron and its Change During Recovery
and Recrystallization, by F. Wever, H. Botticher.
GERMAN, per, Arch. Eisenh., Vol 38, No 6, June
1967, pp 473-478.
BISI 6292

Sci-Mat
Apr 69

379,719

Reaction Kinetics of Iron (II), Nickel (II)
and Cobalt (II) Oxides with Graphite, by
H. K. Kohl and B. Marinek
GERMAN, per, Arch. Eisenh., Vol 38, July 1967,
pp 493-500.
BISI 6223

Sci-Materials
Feb 69

369,587

Decarburisation Rate and Decarburisation During
the Manufacture of Steel by Oxygen Top Blowing,
by K. Borowski.

GERMAN, per, Arch. Eisenh., Vol 38, Jul 1967,

pp 501-507.

BISI 5878

Sci/Mat

Mar 68

351,034

Reactions Occurring During the Formation of Primary
Oxidation Products in Steel, by H. Strube &
G. Eismelt.

GERMAN, per, Archiv Eisenhüttenwesen, Vol 38, No 7,
Pt 1, 1967, pp 509-518.
HB 7228

Sci/Mat
Feb 68

349,455

The Dynamics of Planetary Mills, by H. G. Muller
& W. Aggermann v. Bellenberg.
GERMAN, per, Arch. Eisenh., Vol 38, Jul 1967,
pp 519-525.
HISI 6317

Sci/Mat
May 68

358,184

Contribution to X-Ray Spectrometric Trace Analysis,
by H. de Laffolie.
GERMAN, per. Archiv Eisen-Hüttenwesen, Vol 38,
No 7, 1967. pp 535-540.
HB 7217

Sci/Phys
Feb 68

349,448

Reduction of High-Purity Iron Oxide Bodies,
by H. Schenck.
GERMAN, per, Arch Eisenh., Vol 38, Aug 1967,
pp 577-584.
BISI 6165

Sci-Mat
Jan69

370,765

Reactions Occurring During the Formation of Pri-
mary Decoxidation Products in Steel, by H. Straube,
G. Kuhnelt,
GERMAN, per, Archiv Eisenhüttenwesen, Vol 38,
No 8, 1967, pp 607-615.
HB 7259-I

Sol-Mat
Mar 68

349,285

Reactions Occurring During the Formation of Primary Decaridation Products in Steel. General Discussion of Parts I and II, by H. Straube, G. Kuhnelt.
GERMAN, per, Archiv Eisenhüttenwesen, Vol 38, No 8, 1967, pp 607-615.
HB 7259-II

Sci-Mat
Apr 68

352,195

On the Kinetics of Formation of Alumina Inclusions in the Decarburization of Liquid Iron with Aluminium, by H. -U. Hopp and W. Lescher.
GERMAN, per, *IBID.*, Vol 48, Aug 1967, pp 621-623.
*HB 7260

Sol-Mat
Nov 67

Isothermal Martensite Formation in Iron-
Manganese-Carbon Alloys, by
E. Schmidt~~mann~~.
GERMAN, per, Arch. Eisenh., Vol 38, August
1967, pp 639-645.
BISI 6222

Sci/Materials
Jan 69

353,150

Martensitic Transformations in Low-Carbon
Manganese Steels, by H. Schumann.
GERMAN, per, Arch Eisenh., Vol 38, Aug 1967,
pp 647-656.
BISI 6229

Sci/Mat
Nov 68

370,092

Adhesion of Enamel on Sheet Steel, by
H.E. Buhler, L. Leontaritis,
GERMAN, per, Arch. Eisenh., Vol 38,
August 1967, pp 657-661,
BISI 6595

Sci/Materials
Jan 69

353,165

Comprehensive Representation of the Reduction
Kinetics of Dense Ores, by R. Jeschar.
GERMAN, per, Arch. Eisenh., Vol 38, Sept 1967,
pp 663-667.
BISI 6237

Sci-Materials

Feb 69

375-323

Processes Taking Place During Reduction
of Pure Iron Oxide Bodies, by H. Schenck.
GERMAN, per, Arch. Eisenh., Vol 38,
September 1967, pp 669-673.
BISI 6236

Sci/Materials
Jan 69

353,177

Viscosity Measurements of Slags, by H. J. Langhammer,
H. G. Geok.

GERMAN, per. Arch Eisenh. Vol 38, Sep 1967, pp 691-
699.

HSI 6411

Sci-Mat

Sep 68

365,627

**Nature and Distribution of Oxide Inclusions
in Steels Partly-Killed in Various Ways,
by K. Wiek, et al.**

**GERMAN, per, Arch. Eisenh., Vol 38, No 9,
1967, pp 701-710.
*HB 7279**

**Sci/Materials
Jan 68**

Geometry and Kinematics of the Roll Gap in Two-
Roll Straightening of Round Bars, by O. Pawelski
and R. Fangmeier.
GERMAN. per. Arch Eisenh. Vol 38, Sep 1967.
pp 711-723.
BISI 6118

Sci-Mat
Mar 68

351.961

Method of Automatic Colorimetric to Determine
Oxide Inclusions in a Cr-Ni Steel Containing
about 18% Cr and 8% Ni, by O. Opravil
GERMAN, pat., Arch. Eisenh. Vol 38, Sept 1967,
pp 725-728.
*RUMI 6057

Sci-Materials
Dec 67

Technological Tests on Steel Tubes, by D. Uebing.
GERMAN, par. Arch Eisenh. Vol 38, Sep 1967, pp
729-734.
RDSI 6079

Sci-Mat
Mar 68

349.345

Effects of Oxygen, Carbon, Silicon and
Aluminium on the Supercooling and Micros
structure of High-Purity Iron, by
A. Hoffmann,
GERMAN, per. Arch. Eisenh., Vol 38, Oct.,
1967, pp 785-792.
BISI 7045

Sci/Mat
Sep 70

F. Bollenrath

Interpretation of Internal Lattice Deformations
in Plastically Deformed -Iron.

GERMAN, per, Archiv fuer das Eisenhuettenwesen,
Vol 38, 1967, pp 793-800

NTC 72-60517-11F

BISI 7258

sept 72

Formation of Etch Pits on Decorated Dislocations
in Iron-Silicon Alloys, by W. Schmarwichter.
GERMAN, per, Arch. Eisenh., Vol 38, Oct 1967,
pp 805-808.
*HISI 6175

Sci/Mat
Mar 68

Oxygen Activity in the Iron-Oxygen System and the Possibility of its Control by Addition of Other Elements at Steelmaking Temperature.

1- Activity of Oxygen in the Iron-oxygen System, by H. Schenck, E. Steinmetz.

GERMAN, per, Arch. Eisenh. Vol 38, No 11, 1967, pp 813-819.

BISI 6703

sci/ materials

Contribution to the Crystallographic Analysis of
Phase Transformations in Metals, by W. Pitsch.
GERMAN, per. Arch. Eisenh. Vol 35. Nov 1967.
pp 852-864.
NIST 6160

NLL Ref: 9022.06 (6160)

Sci/Mat
Aug 68

361,392

Magnetic Studies on Stability of Austenitic
Steels at Temperatures Ranging From Those of
Liquid Air to Molten State, by E. Kohlhaas.
GERMAN, per, Archiv fur das Eisenhutenwesen,
Vol 38, 1967, pp 865-870.
NLL Ref: 9022.4 (68/5)

Sci/Mat
Feb 69

354,846

Oxygen Activity in the Iron-Oxygen System and the
Possibilities of its Control at Steelmaking
Temperatures, by H. Schenk and E. Steinmetz,
GERMAN, per. Arch. Eisenh., Vol 38, Dec. 1967,
pp 871-873
BIBI 7691

Possibilities of Forming by Open-Tool Forging,
by A. Witte.
GERMAN, per, Arch. Eisenh., No 38, Dec 1967,
pp 875-880.
RBI 6309

Sci-Materials
July 68

350,833

Combined Rapid Determination of Oxygen and
Nitrogen in Steel by the Helium Carrier-Gas
Method, by W. Koch & H. Lorenz.
GERMAN, per, Archiv Eisenh., Vol 38, No 12,
1967, pp 881-885.
HB 7364

Sci/Mat
June 68

358,242

Stresses Set up in the Bar, Straightening Force
and Drive Torque when Straightening Round Bars
in Two-Roll Straightening Machines, by
O. Pawelski & R. Fangmeier.

GERMAN, per, Arch. Eisenh., Vol 38, Dec 1967,
pp 887-898.

RISI 6316

NLL Ref: 9022.06 (6316)

Sci/Mat
May 68

358,183

Calculation of the Time Dependent Temperature
of Hot Ingot Surfaces During the Time of
Contact Between Ingot and Roll, by H. Praisendanz.
GERMAN, per. Arch Eisenh. Vol 38, Dec 1967,
pp 905-913.
BISI 6280

Sci-Mat
Sep 68

365,625

Contribution to the Study of the Red Shortness
of Low-Carbon Unkilled Steels, by W. Scholz
& N. Dautzenberg.

GERMAN, per. Archiv Eisenhüttenwesen, Vol 38,
No 12, 1968, pp 915-920,
HB 7365/1767

Sci/Mat
June 68

358-239

Determination of the Grain Size of Austenitic
Steel from Ultrasonic Attenuation, by J. Pirs.
GERMAN, per. Arch Eisenh. Vol 87, Dec 1967.
pp 939-942.
BISI 6387

Sci-Mat
Jul 68

359,941

359,942

Dephosphorization of Steel During Infection of
Powered Limestone by Oxygen, by E. Forster, et al.
GERMAN, per, Arch. Eisenh., Vol 39, No 1,
January 1968, pp 1-8.

BISS 6394

ISI

Sci-Mat
May 69

382,429

Investigation of Slag Constitution in the Basic
Oxygen Process when Blowing High-Phosphorus Hot
Metal, by W. Fix & K. Koeh.
GERMAN, per, Arch. Eisenh., Vol 39, Jan 1968,
pp 9-22.
BISI 6306

Sci/Mat
May 68

358,182

Longitudinal Elongations and Distortions Encountered in the Roll Forming of Sections from Steel Strip. by G. Weimar.
GERMAN, per. Arch. Eisenh., Vol 39, Jan 1968,
PP 37-44.
HISI 6272

Sci/Mat
May 68

358,180

A New Apparatus for the Simultaneous Measure-
ment of the Oxygen and Nitrogen Contents in
Steel After Melting in the Electric Arc, by
P. Dickens.

GERMAN, per, Arch Eisen., Vol 39, Jan 1968,
pp 45-48,
HISI 6273

Sci-Mat
Jan 69

370,766

Contribution to the Determination of Metallic
Iron Besides Iron Oxide, by E. Kraft.
GERMAN, per, Arch. Eisenh., Vol 39, No 1, 1968
pp 49-55.

*BEST-7740

The Gas Council
59 Bryanston Street
London, W1A 2AZ

sci/ materials
nov 69

Effect of Nitrogen Levels Between Less Than
0.002 and 0.016% in High-Purity Iron Containing
0.002-0.065% Carbon and 0.001-0.163% Oxygen on
the Mechanical Properties and Brittle Fracture
After Normalising and Artificial Aging, by
W. A. Fischer.
GERMAN, per, Arch. Eisen., Vol 39, No 1, 1968,
pp 57-67.
BISI 6395

Sci-Mat
Apr 69

377,763

The Influence of Coherent Precipitation in
Austenite on the Martensite Temperature and
Hardness of an Iron-Nickel-Aluminium Alloy,
by E. Hornbogen, W. A. Mayer.
GERMAN, per, Archiv Eisenhüttenwesen,
Vol 39, 1968, pp 73-76.
NLL Ref: 9022.4 (68/87)

Sci-Mat
Jan 69

372,657

Studies of the Causes of Weldment Inhomogeneities
of Plain-Carbon and Low-Alloy Steels with the
Electron Microprobe, by F. Erdmann-Jeanetzer and
P. Kraljic.

GERMAN, per, Arch. Eisenh., No 39, Jan. 1968,
pp 77-87.
HISI 8755

sci/mat
nov 70

Electrochemical Determination of the Partial
Pressures of Oxygen in Steam-Hydrogen Mixtures
and Iron Melts Containing Oxygen, by W. A. Fischer,
D. Janko.

GERMAN, per, Arch Eisenh., Vol 39, Feb 1968,
pp 89-99.

BISI 6389

NLL Ref: 902206 (6389)

Sci-Mat

Jul 68

359,943

Spectrometric Determination of Boron Contents
in Steel in the Range from 5 to $50 \cdot 10^{-4}\%$,
by P. Holler
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 2, 1968, pp 129-134.
EB 7409

Sci-Materials
Aug 68

362,115

Influence of Carbon, Nitrogen and Boron on the
Precipitation Behaviour of an Austenitic Steel
with About 16% Cr. 2% Mo. 16% Ni and Niobium,
by H. Gerlack, E. Schmidtman.

GERMAN, per. Arch Eisenh. Vol 39, Feb 1968,
pp 139-149.

BISI 6450

GB 41/6450 - 1805

Sci-Mat

Sep 68

365,632

Properties of Non-Stabilized All-Austenitic Steels
for use in the Construction of Nuclear Reactors and
Steam Boiler Plants, by H. R. Kautz, H. Gerlach.
GERMAN, per, Arch. Eisenh., Vol 39, February 1968,
pp 151-158.
BISI 6446

Sci-Mat
May 69

382,447

Investigations with the Electron Probe Micro-analyser into the Causes of Heterogeneity of the Weld Metal in the Welding of Austenitic Steels, by F. Erdmann

GERMAN, per, Archiv Eisenhüttenwesen, Vol 39, No 2, 1968, pp 159-163.

HB 7:11

Sci-Materials

Aug 68

362,121

Internal Stresses at the Surface of Steel Cylinders with Limited Induction Hardening, by

A. Schafer & J. Ehl.

GERMAN, per, Arch. Eisenh., Vol 39, No 2, 1968,
pp 165-170.

*EISI 8917

Sci/Mat

Jan 71

Determination of the Lead Content of Free-
Cutting Steel, by O. G. Koch
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 3, 1968, pp 133-135.
RB 7410

Sci-Materials
Aug 68

362,102

Temperature Changes, Slag Formation, and
Reactions During Low-Phosphorus Blows
With Oxygen, by H. vom Ende,
GERMAN, per, Archiv Eisenhüttenwesen,
Vol 39, No 3, 1968, pp 177-185,
HB 7456

Sci/Materials
Jan 69

353,315

Properties of High-Purity Iron-Silicon Alloys
Containing Up to 5% Silicon, by A. Hoffmann.
GERMAN, per, Arch. Eisenh., Vol 39, March
1968, pp 191-199.
BISI 6552

Sci-Mat
May 69

380,436

Contribution to the Question of the Behavior of
Turbine and Generator Shafts in the Hot Running
Test, by F. Goedecke.

GERMAN, per, Archiv für das Eisenhüttenwesen,
Vol 39, 1968, No 3, pp 201-211.
ILL Ref: 9022.09 (4901)

Sci-Eng & Fuels
Sept69

390,315

Chemical Activities of Boron and Nitrogen in
the Liquid Phase of the Iron-Boron-Nitrogen
System at 1600°C, by H. Schenck
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 4, 1968, pp 255-257.
HB 7452

Sci-Materials
Aug 68

362,112

Continuous Measurement of Oxygen Activity and
Carbon Content in the Basic Oxygen Furnace,
by K. H. Ulrich.
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 4, 1968, pp 259-263.
HB 7453

Sci-Materials
Aug 68

362,120

Results Obtained from a Mathematical Model
of a Hot Blast Stove, by K. Loske
GERMAN, per, Arch Eisenh, Vol 39, Apr 1968,
pp 265-272.
*XISI 6840

Sci-Materials
Feb 69

The Mechanism of Conduction in Aluminium Oxide at
High Temperatures, by W. A. Fischer, W. Ackermann.
GERMAN, per, Arch Eisenhutt, No 39, 1968,
pp 273-276.
NLL Ref: 9022.06 (6591)

Sci/Elect
Mar 70

401,873

E. Schmeer

Effect of Deoxidation With Calcium Silicon and
of the Tin Content on the Machinability of
Steel With About 0.35% C.

GERMAN, per, Archiv fuer das Eisenhuettenwesen,

Vol 39, No 4, 1968, pp 277-282

NTC 72-13167-11F

HB 7454

sept 72

The Influence of Carbon Content on Fatigue Strength of Commercial Grades of Pure Iron, by M. Hempel, E. Hillnhagen. GERMAN, per, Arch Eisenh, Vol 39, 1968, pp 283-298.
NLL Ref: 9022.4 (68/183)

Sci-Mat
Mar 69

377,013

Ultrasonic Coupling to Heated Metals by
Surface Cooling, by W. Kurz and B. Lax
GERMAN, par, Archiv Eisenhüttenwesen, Vol 39,
No 4, 1968, pp 299-316
HB 7455

(CRL/T-4136x)

Sci-Materials
Nov 68

366,211

Fusing Behaviour of Ore, Sinters, and Pellets
Under Conditions Similar to those in a Blast
Furnace, by K. D. Haverkamp.
GERMAN, per, Arch. Eisenh., Vol 39, May 1968,
pp 319-327.
BISI 6673

NLL R-f: 9022.06 (6673)

Sci-Mat
Apr 69

377,793

Study of the Formation of Oxide and Sulfide
Inclusions During the Solidification of
Steel, by C. A. Duckwitz, E. Forster,
GERMAN, per, Archiv Eisenhüttenwesen,
Vol 39, No 5, 1968, pp 333-338,
HB 7478

(CRL/T. 4027x)

Sci/Materials
Jan 69

353,310

On the Determination of the Carbon Content
of Carbides Used for Producing Sintered Car-
bide Alloys, by E. Lassner and W. Thomich
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 5, 1968, pp 339-342.
HB 7479

Sci-Materials
Nov 68

366,225

Recarbonization of Plain Carbon Steel During Oxy-
Acetylene Cutting, by J. Krahe and F. Muller
GERMAN, per. Arch. Eisenh., Vol 39, May 1968,
pp 347-351
BISI 7808

Sci/Mat
Mar 70

403,942

Residual Stresses in Cold-Drawn Tubes,
by H. Buhler and P. J. Kreher.
GERMAN, per, Archiv f. d. Eisenhüttenwesen,
Vol 39, No 5, 1968, pp 353-359.
HB 7480

Sci-Materials
Nov 68

366,231

Notch Toughness of Heavy Plates Produced From Fine
Grain Steels in Various Treatment Conditions, by
R. Brelowr, H. Kornfeld.
GERMAN, per, Arch Eisenh, Vol 39, May, 1968,
pp 395-398.
BISI 6828

Sci/Mat
July 69

387-243

Kinetic Studies on the Reduction of Silica
and Desulphurisation between Carbon-Saturated
Iron and $\text{CaO-SiO}_2\text{-Al}_2\text{O}_3$ Slags at 1550°C , by
Tarek El Gammal
GERMAN, per, Arch. Eisenh., Vol 39, June 1968,
pp 415-420.
NISI 6724

Sci-Materials
Feb 69

369,605

Effect of the Silicate Phase on the Properties of
Iron Ore Sinters, by E. Masanek, M. Wyderka.
GERMAN, per, Arch Eisenh., Vol 39, June 1968,
pp 433-438.
BISI 6877

Sci-Mat
Sep 70

Configuration of the Structure in Mg Steel Containing
0.5% C and 0.36 or 1.6% Mn as Dependent on the
Reactions Occurring in the Solid State and on the
Conditions of Diffusion, by W. Koch.
GERMAN, per, Arch Eisenhuttentw, Vol 39, 1968,
pp 457-462.
*NTIS/NBS TT 71-55125
Available NBS Only

June 71

Electron-Microscope Studies of the Plastic
Deformation of a Plain Carbon Steel,
by U. Wegner and A. Franks
GERMAN, per, Archiv Eisenhüttenwesen, Vol 39,
No 6, 1968, pp 463-470
HB 7508

NLL Ref: 9022.401 (746-7) pp 469-476

Sci-Materials
Nov 68

366,240

Effect of Hydrostatic Pressure of up to
34 KBAR on Diffusion in the Cobalt-Nickel and
Iron-Nickel Systems, by H. Schmidtman,
K. H. Dorner.
GERMAN, per, Archiv Eisenhüttenwesen, No 39,
1968, pp 463-476.
MLL Ref: 9022.401 (746-7)

HB 7508 pp 463-470

Sci/Mat
May 69

381,005

Application of the Relationship of Gibbs-Duhem to the
Chemical Activities of Molten Iron Alloys and Slags,
by E. Steinmetz.
GERMAN, per, Arch Eisenhüttenw., Vol 39, 1968,
pp 481-489.
*NTIS/NBS TT 71-55183
Available NBS Only

June 71

Combustion of Jet Flames, by R. Gunther.
GERMAN, per. Archiv f.d. Eisenhüttenwesen, Vol 39.
No 7, 1968, pp 515-519.
HB 7573

Sol-Mat
Feb 69

374.505

Solidification Front in Liquid Steel Located by
Ultrasonics, by W. Kurz. B. Lux.
GERMAN, per. Archiv f.d. Eisenhüttenwesen, Vol 39.
No 7, 1968, pp 521-530.
HB 7528

Sci-Mat
Feb 69

374,513

Electrochemical Methods to Determine Kinetic Quantities
in Particular Diffusion Coefficients and Phase Limit
Reaction Constants in and Solids, by H. Schmalzried.
GERMAN, per, Arch Eisenhüttenw, Vol 39, 1968, pp 531-533.
*NTIS/NBS TT 71-53100
Available NBS Only

June 71

Combustibility of Steel and Cast Iron in
Oxygen at Pressures of Up to 150 atms.,
by L. Kirschfeld.

GERMAN, per, Archiv f.d. Eisenhüttenw.,
Vol 39, No 7, 1968, pp 535-539.

HB 7574

ALL Ref: 9022.40 I (746/2)

Sci/Materials
Jan 69

353,303

Simple Method for Determining the Internal Stresses
in Wires, by H. Buehler.
GERMAN, per, Archiv fuer das Eisenhuettenwesen, vol.
39, 1968, pp. 545-551.
NTC 71-11017-20K
HB 7529

August 71.

Contribution to Knowledge of the Decarburization
of Iron-Carbon Melts, by G. Brauer, et al.
GERMANY, per, Arch. Eisenh., Vol 39, No 8, 1968,
pp 553-557.
BISI 7107

sci/ materials
oct 69

395,284

**A Study of the Fatigue Strength of Unalloyed
Titanium, by M. Hasegawa, E. Hillebrand.**

**CHRON, par, Archiv für das Eisenhüttenwesen, Vol 33,
No 8, 1968, pp. 567-81.**

REL Ref: 5807 (1310)

E. HILLEBRAND

**Sci-Materials
July 69**

388,376

Contribution to the Study of the Thermodynamics
of Complex Solutions Shown by the Example of
Homogeneous Iron-Chromium-Phosphorus-Carbon Melts,
by M. G. Froberg.

GERMAN, per, Arch. Eisenh., Vol 39, Aug 1968,
pp 587-593.

BISI 10779

Jan 73

Study of the Nucleation of Alumina During
Deoxidation with Aluminium and Aluminium Alloys,
by E. Forster, H. Richter.
GERMAN, per, Arch. Eisenh., Vol 39, August
1968, pp 593-604.
BISI 6765

GB 41/6765- 1405

Sci-Mat

377,766

APR 1969

Application of the Linear Programming M
Method to the Power Supply Planning of
Integrated Iron and Steel Works with
Particular References to the Optimization
of Fuel Balance, by M. Ussar, H. Tichy.
GERMAN, per, Arch. Eisenh., Vol 39,
August 1968, pp 605-610.
BISI 6873

Sci-Mat
May 69

380,396

Application of the Linear Programming Method
to the Power Planning of Integrated Iron and
Steel Plants, by N. Ussar
GERMAN, per, Arch. Eisenh., Vol 39, Aug 1968,
pp 611-615.
#AISI 6873

Sci-Materials
Feb 69

Effect of High Quenching Rates on the Hardness
of Martensitic Structures, by W. Peter and H. Finkler,
GMSM, per. Arch. Eisenh., Vol 39, Aug 1968,

pp 617-622

BIBI 7141

NLL Ref - 9022 - 401 (746/18)

Sci/Mat
Mar 70

404,049